

ABSTRACT

[0063] A temperature management system for managing the temperature of a discrete, thermal component. The temperature management system comprises a heat exchanger in thermal contact with the thermal component. The system also comprises a fluid transfer device that circulates a coolant fluid through a thermal conduit system. As the coolant flows through the heat exchanger, it absorbs heat from the component. Upon exiting the heat exchanger, the heated coolant flows to the heat sink where the heat sink absorbs heat from the coolant fluid.